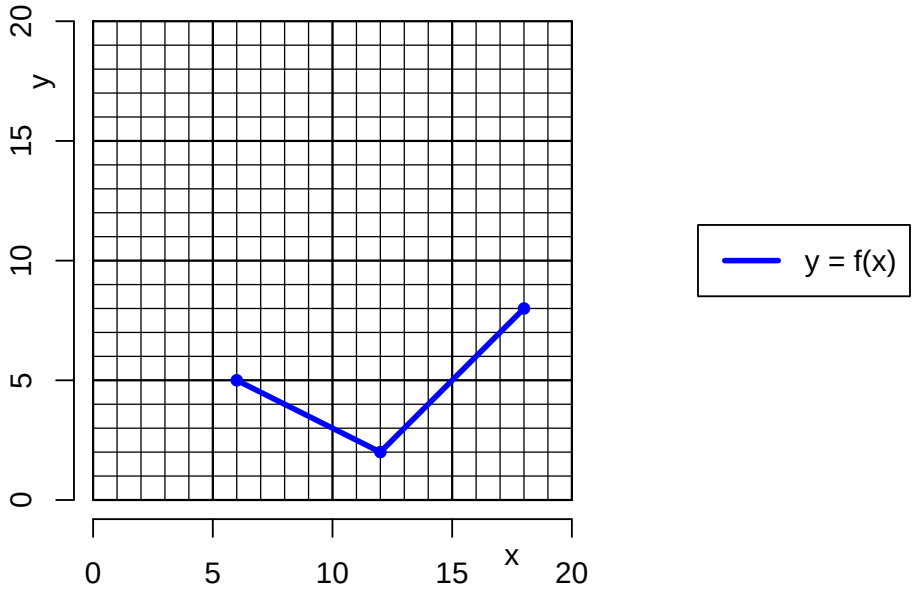
Name: Date:

PCW_09_18 Find new points after transformation (version 1)

Question 1

Curve $y = f(x)$ contains points $(6, 5)$ and $(12, 2)$ and $(18, 8)$, as shown on the x-y plane below.

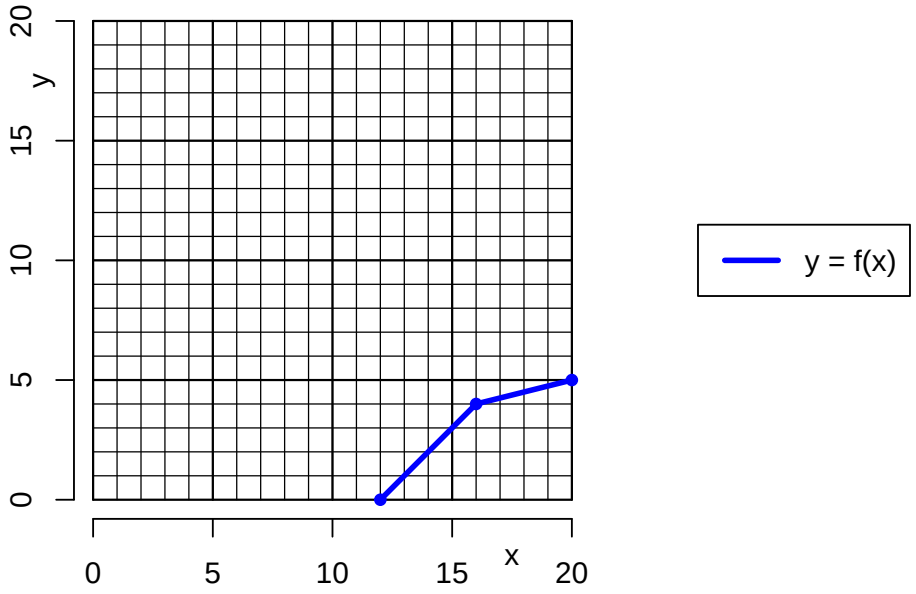


On the same plane, please draw the curve represented by the equation below:

$$y = 2f[3(x + 2)] - 4$$

Question 2

Curve $y = f(x)$ contains points $(12, 0)$ and $(16, 4)$ and $(20, 5)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

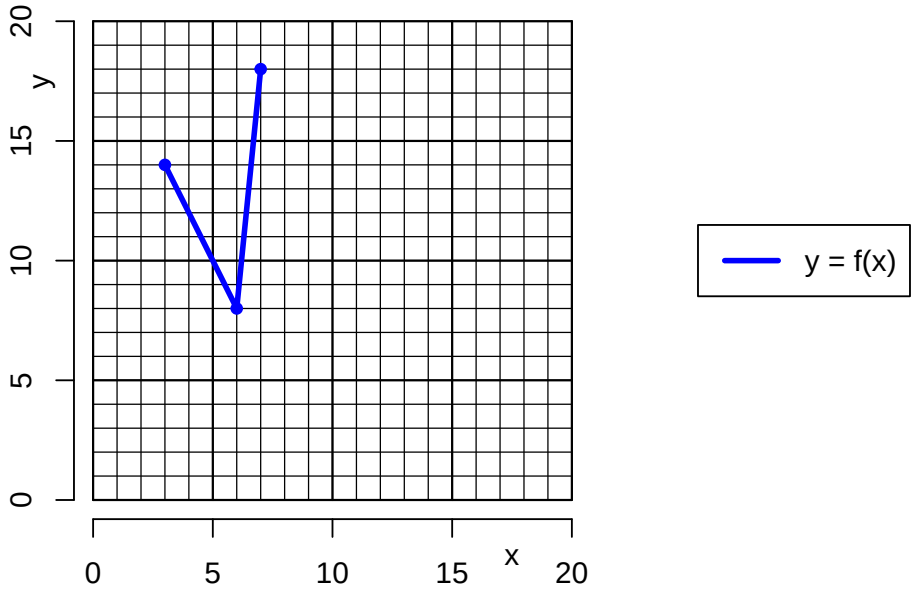
$$y = 3f[2(x + 2)] + 3$$

Name: Date:

PCW_09_18 Find new points after transformation (version 2)

Question 1

Curve $y = f(x)$ contains points $(3, 14)$ and $(6, 8)$ and $(7, 18)$, as shown on the x-y plane below.

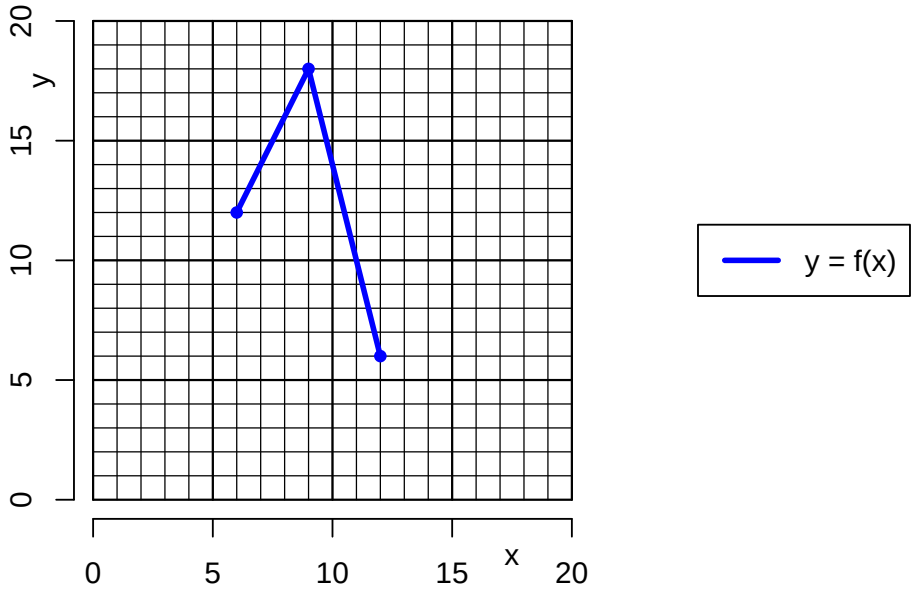


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x+6}{3}\right] - 4}{2}$$

Question 2

Curve $y = f(x)$ contains points $(6, 12)$ and $(9, 18)$ and $(12, 6)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

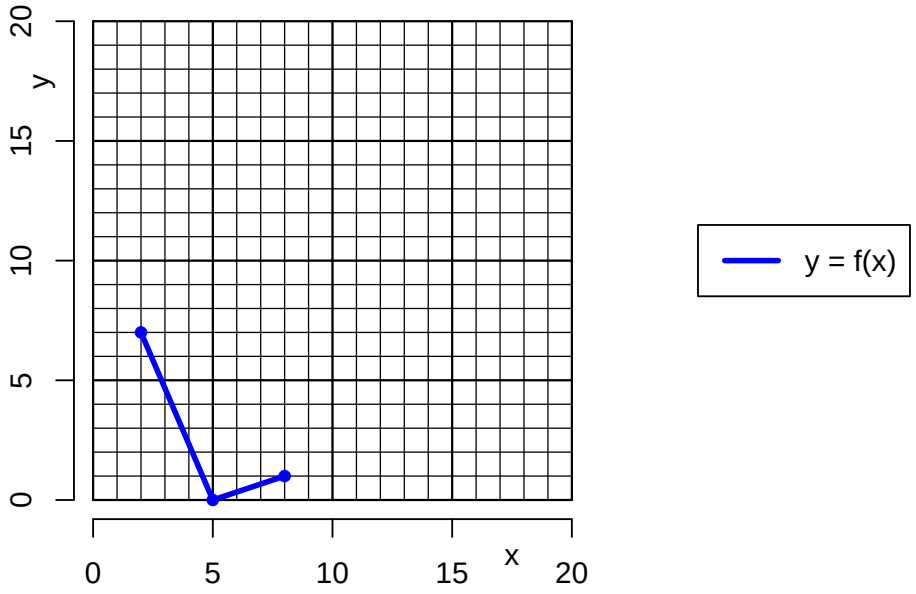
$$y = \frac{f[3x + 6] - 4}{2}$$

Name: Date:

PCW_09_18 Find new points after transformation (version 3)

Question 1

Curve $y = f(x)$ contains points $(2, 7)$ and $(5, 0)$ and $(8, 1)$, as shown on the x-y plane below.

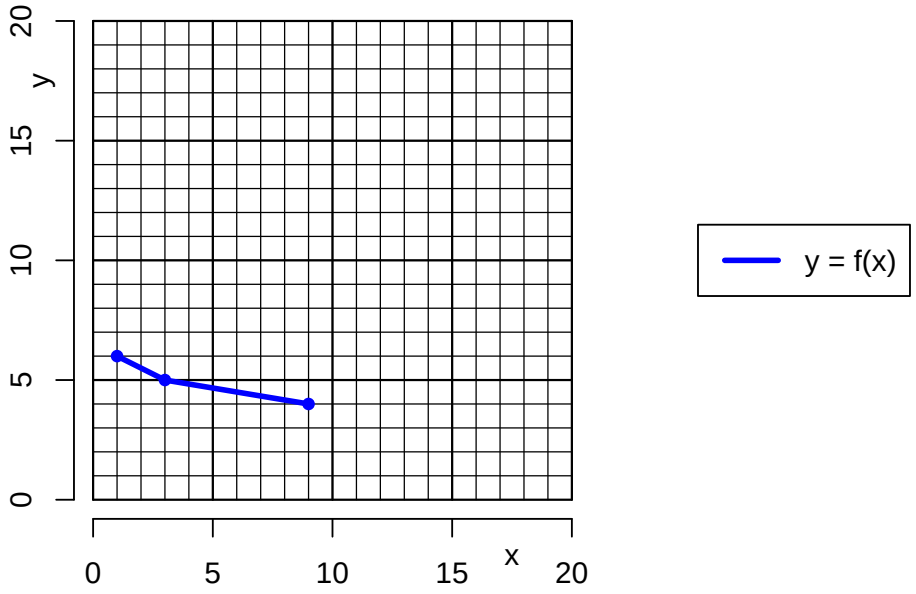


On the same plane, please draw the curve represented by the equation below:

$$y = 2f\left[\frac{x+6}{3}\right] + 2$$

Question 2

Curve $y = f(x)$ contains points $(1, 6)$ and $(3, 5)$ and $(9, 4)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

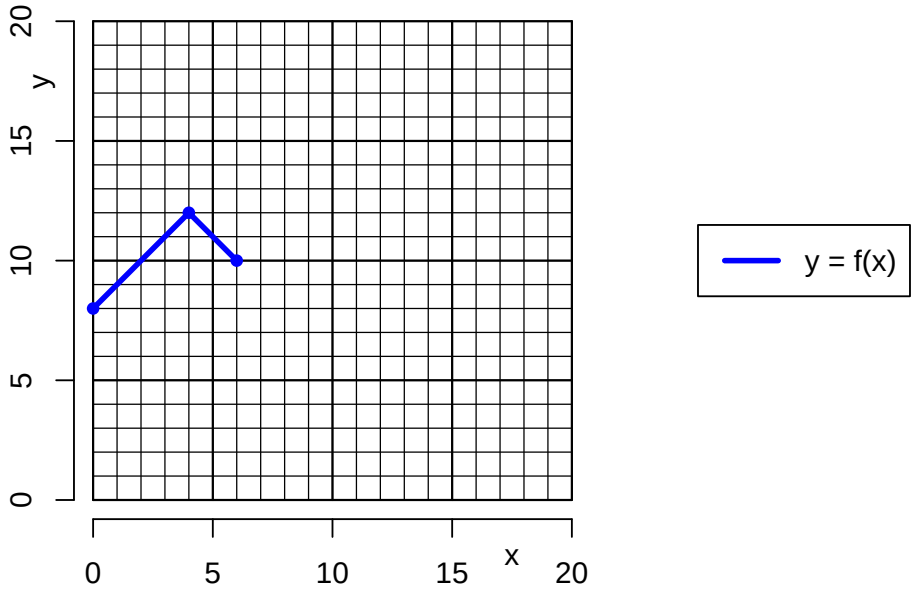
$$y = 3\left(f\left[\frac{x-2}{2}\right] - 4\right)$$

Name: Date:

PCW_09_18 Find new points after transformation (version 4)

Question 1

Curve $y = f(x)$ contains points $(0, 8)$ and $(4, 12)$ and $(6, 10)$, as shown on the x-y plane below.

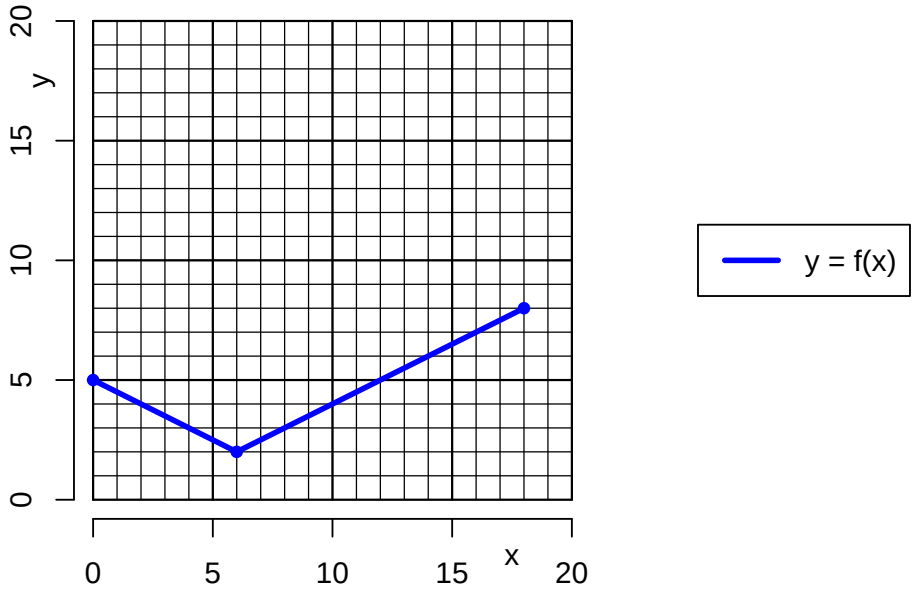


On the same plane, please draw the curve represented by the equation below:

$$y = 3\left(f\left[\frac{x}{2} - 3\right] - 6\right)$$

Question 2

Curve $y = f(x)$ contains points $(0, 5)$ and $(6, 2)$ and $(18, 8)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

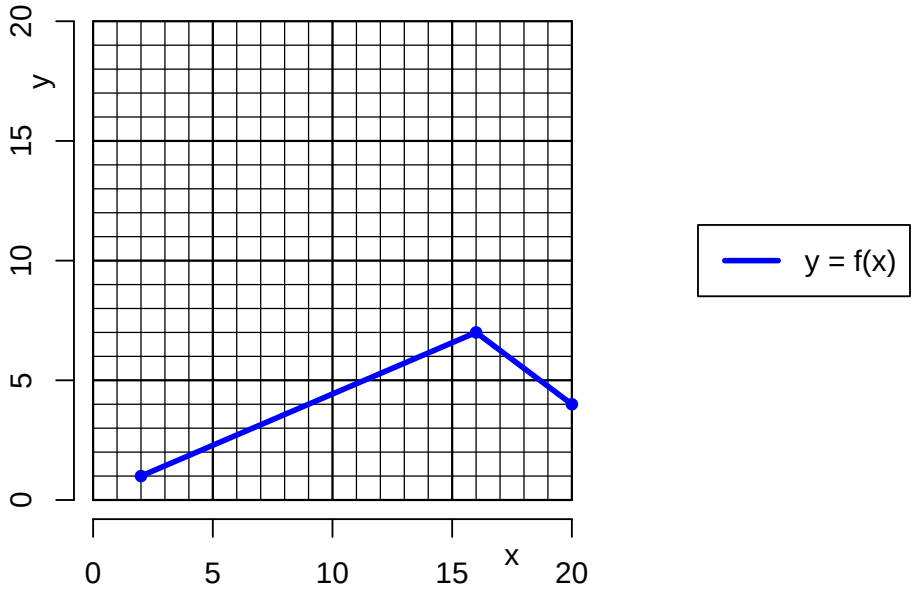
$$y = 2f[3(x - 5)] + 2$$

Name: Date:

PCW_09_18 Find new points after transformation (version 5)

Question 1

Curve $y = f(x)$ contains points $(2, 1)$ and $(16, 7)$ and $(20, 4)$, as shown on the x-y plane below.

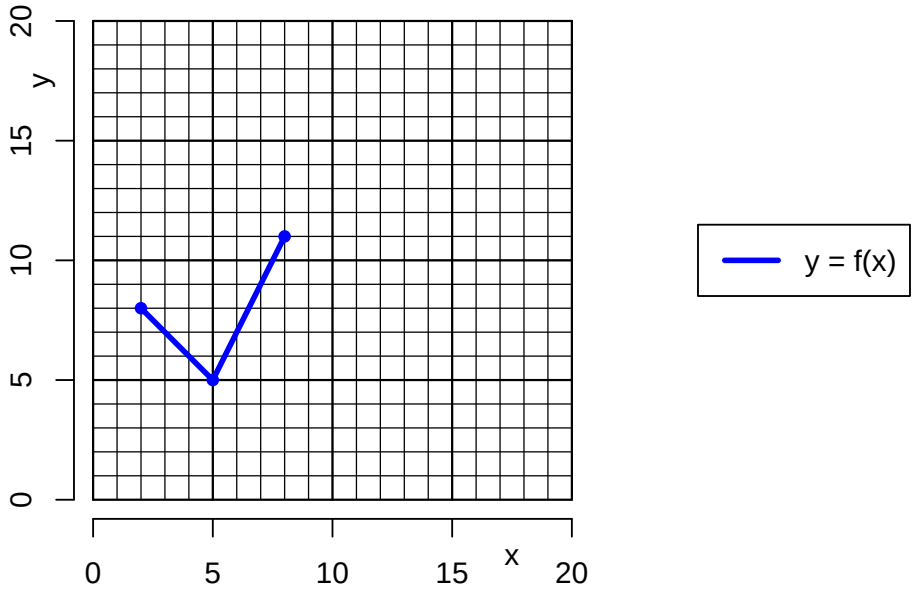


On the same plane, please draw the curve represented by the equation below:

$$y = 3\left(f[2x + 2] - 1\right)$$

Question 2

Curve $y = f(x)$ contains points $(2, 8)$ and $(5, 5)$ and $(8, 11)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

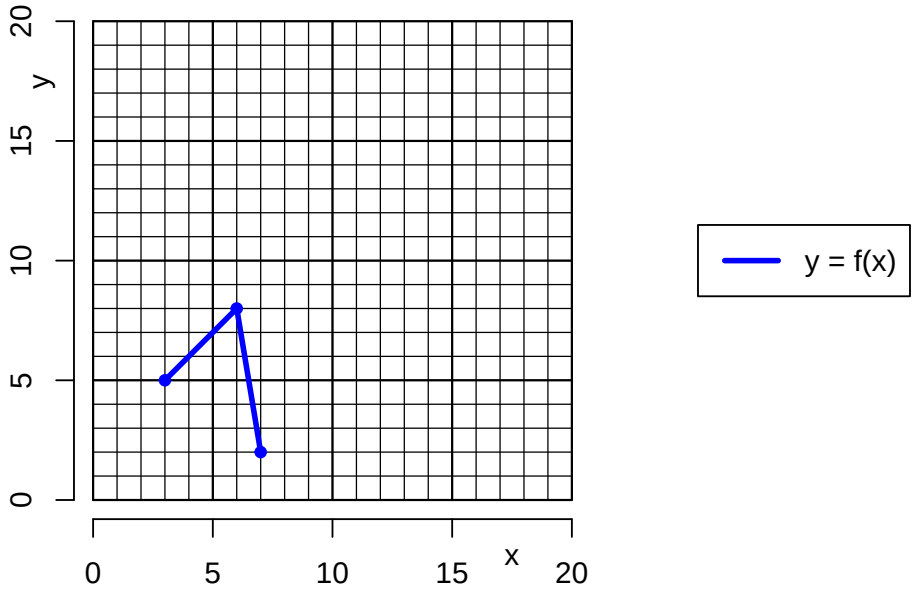
$$y = 3\left(f\left[\frac{x-2}{2}\right] - 5\right)$$

Name: Date:

PCW_09_18 Find new points after transformation (version 6)

Question 1

Curve $y = f(x)$ contains points $(3, 5)$ and $(6, 8)$ and $(7, 2)$, as shown on the x-y plane below.

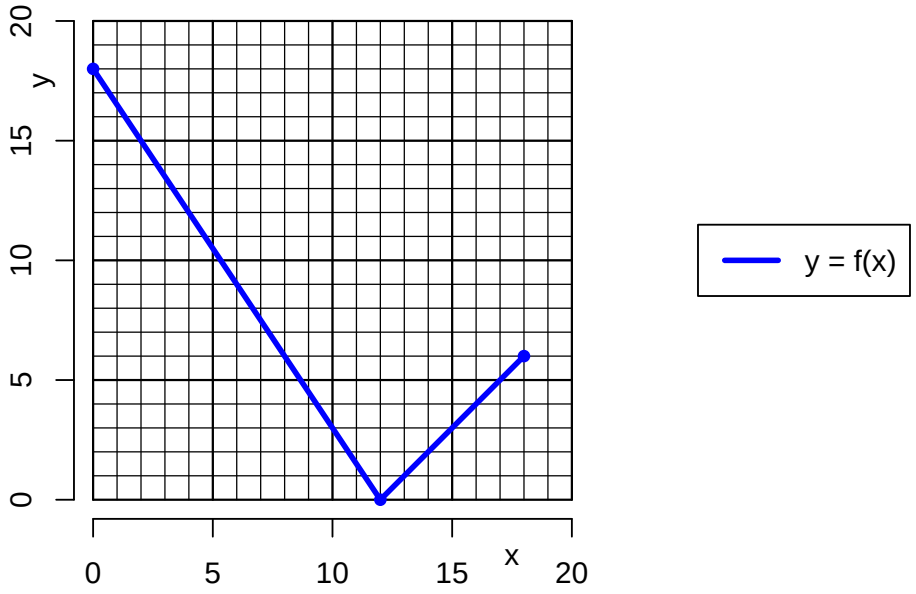


On the same plane, please draw the curve represented by the equation below:

$$y = 2f\left[\frac{x+6}{3}\right] + 2$$

Question 2

Curve $y = f(x)$ contains points $(0, 18)$ and $(12, 0)$ and $(18, 6)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

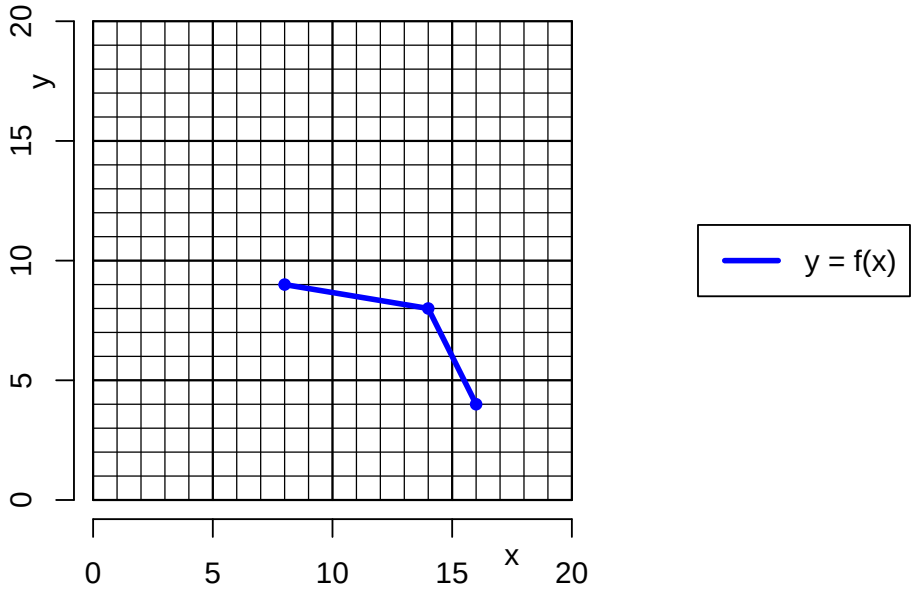
$$y = \frac{f[3\,(x-1)] + 2}{2}$$

Name: Date:

PCW_09_18 Find new points after transformation (version 7)

Question 1

Curve $y = f(x)$ contains points $(8, 9)$ and $(14, 8)$ and $(16, 4)$, as shown on the x-y plane below.

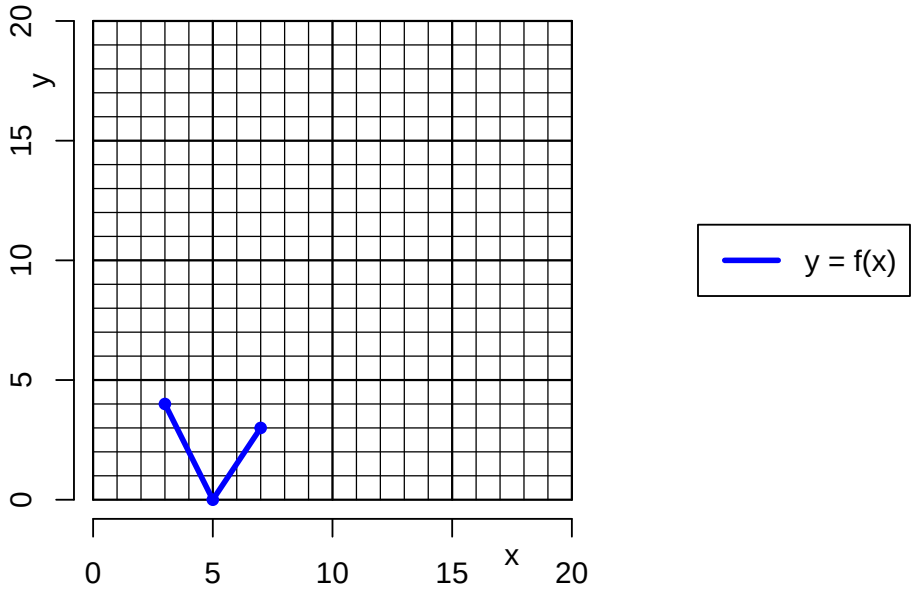


On the same plane, please draw the curve represented by the equation below:

$$y = 3\,(f[2x + 2] - 4)$$

Question 2

Curve $y = f(x)$ contains points $(3, 4)$ and $(5, 0)$ and $(7, 3)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

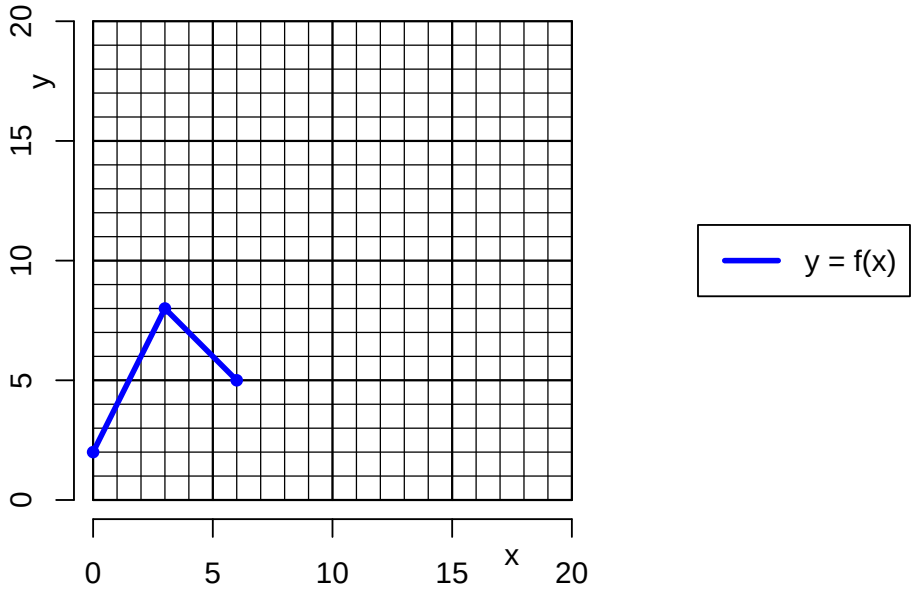
$$y = 3f\left[\frac{x+2}{2}\right] + 3$$

Name: Date:

PCW_09_18 Find new points after transformation (version 8)

Question 1

Curve $y = f(x)$ contains points $(0, 2)$ and $(3, 8)$ and $(6, 5)$, as shown on the x-y plane below.

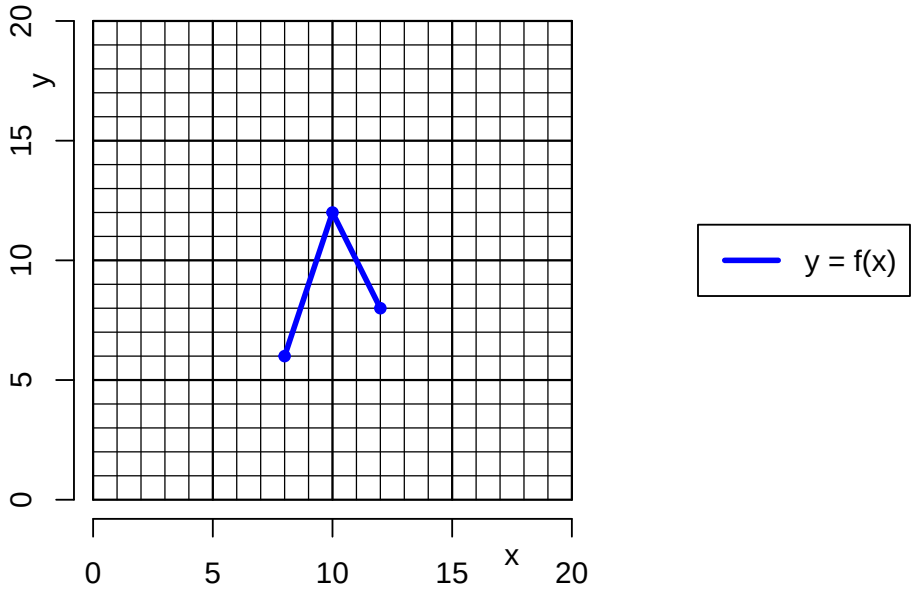


On the same plane, please draw the curve represented by the equation below:

$$y = 3f\left[\frac{x}{2} - 3\right] - 6$$

Question 2

Curve $y = f(x)$ contains points $(8, 6)$ and $(10, 12)$ and $(12, 8)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

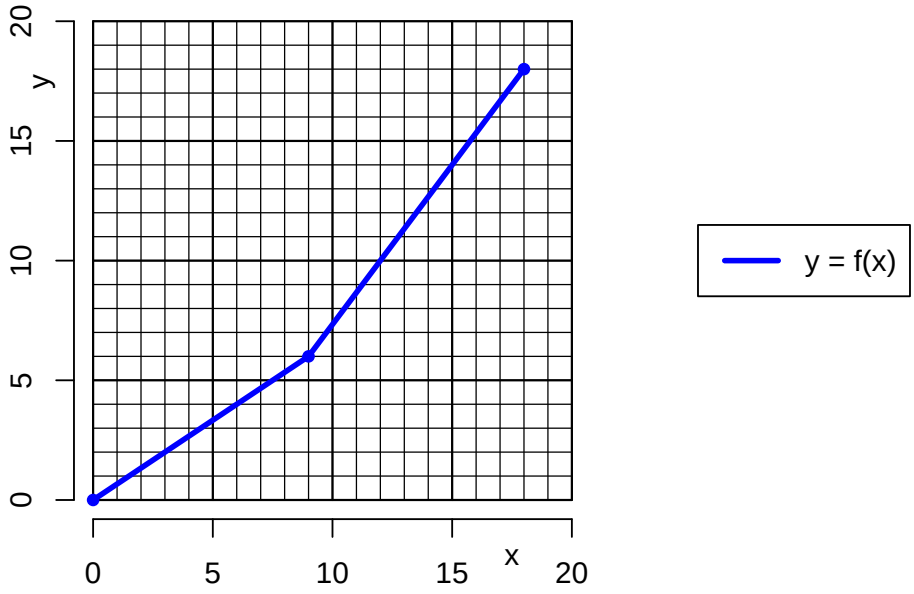
$$y = \frac{f\left[\frac{x}{3} + 6\right]}{2} - 2$$

Name: Date:

PCW_09_18 Find new points after transformation (version 9)

Question 1

Curve $y = f(x)$ contains points $(0, 0)$ and $(9, 6)$ and $(18, 18)$, as shown on the x-y plane below.

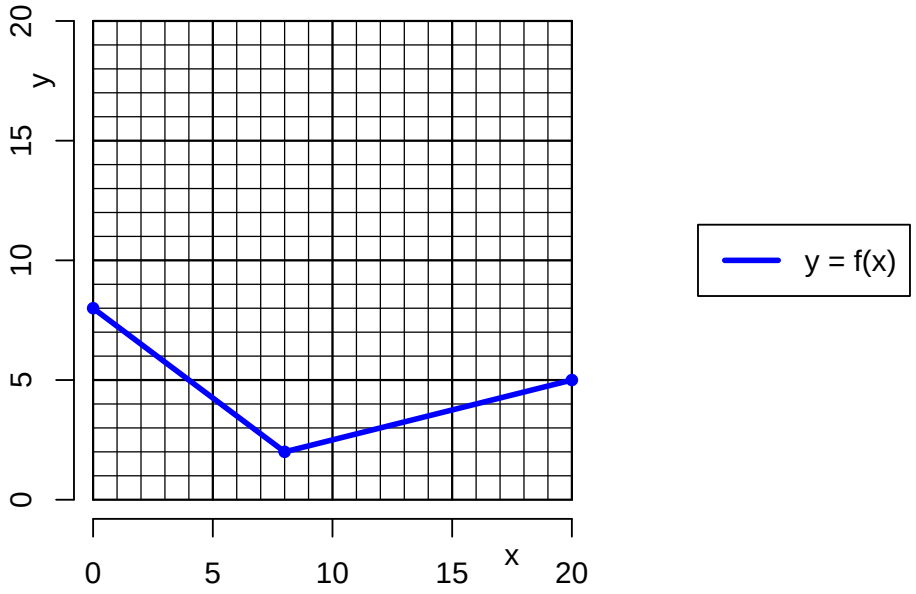


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[3\,(x-2)] + 4}{2}$$

Question 2

Curve $y = f(x)$ contains points $(0, 8)$ and $(8, 2)$ and $(20, 5)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

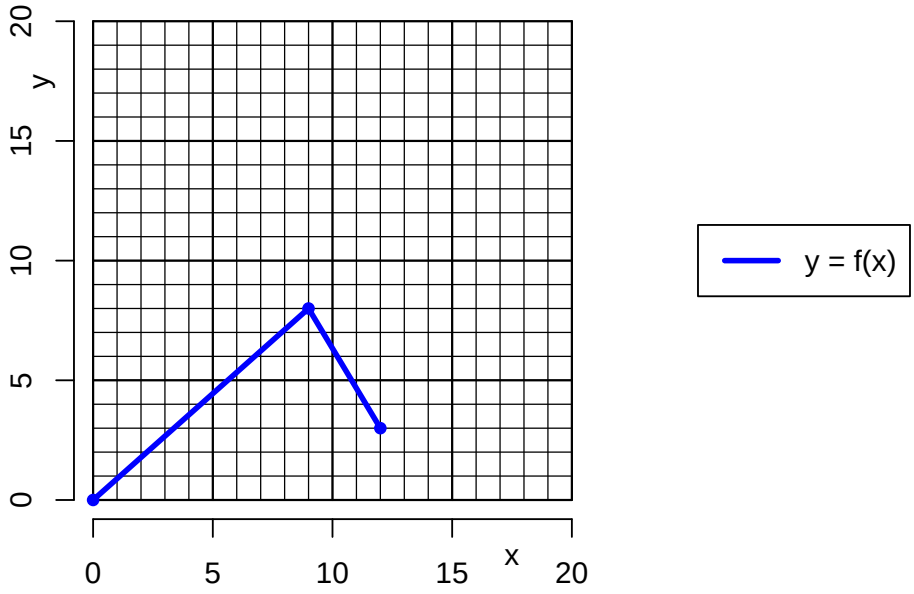
$$y = 3f[2(x - 3)] - 6$$

Name: Date:

PCW_09_18 Find new points after transformation (version 10)

Question 1

Curve $y = f(x)$ contains points $(0, 0)$ and $(9, 8)$ and $(12, 3)$, as shown on the x-y plane below.

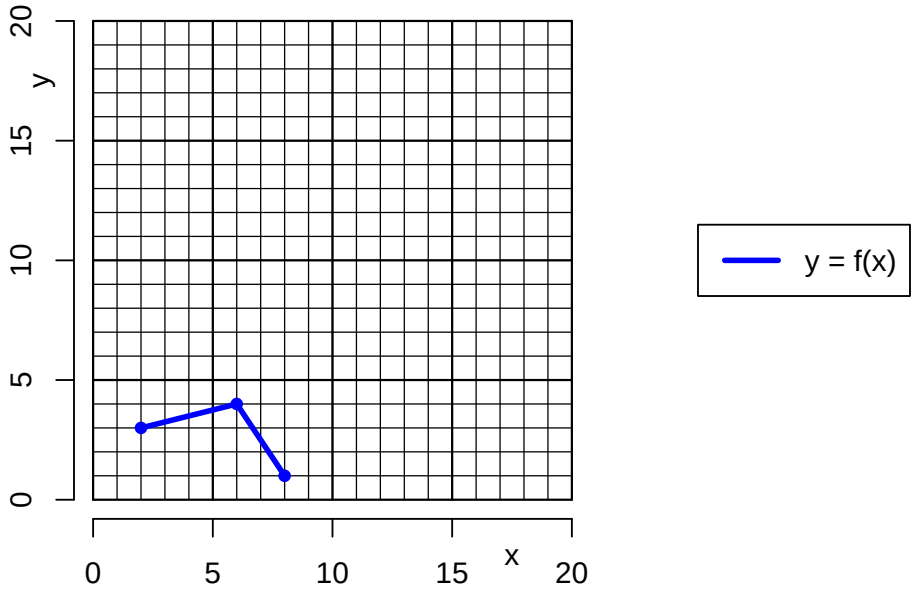


On the same plane, please draw the curve represented by the equation below:

$$y = 2\left(f\left[3\left(x - 2\right)\right] + 1\right)$$

Question 2

Curve $y = f(x)$ contains points $(2, 3)$ and $(6, 4)$ and $(8, 1)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

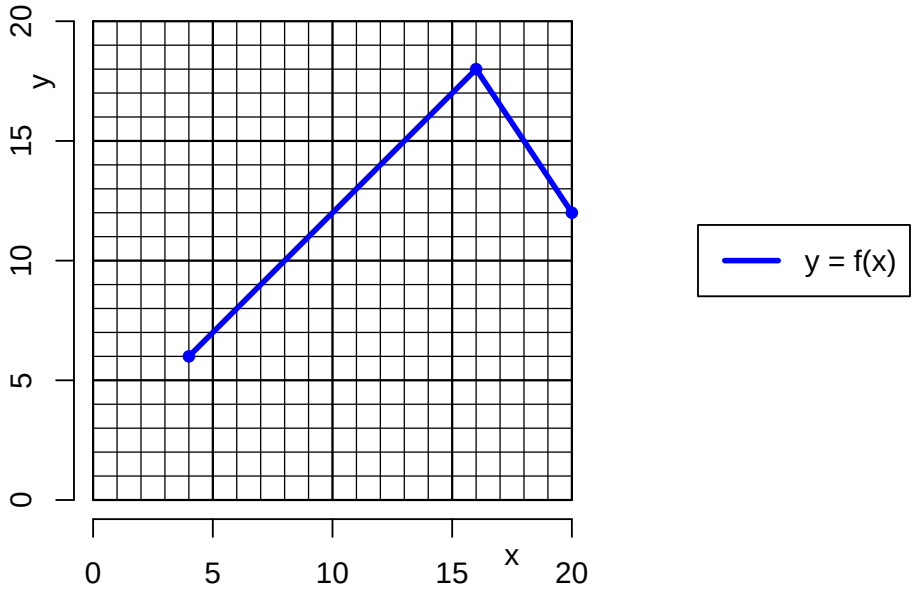
$$y = 3f\left[\frac{x-4}{2}\right] + 3$$

Name: Date:

PCW_09_18 Find new points after transformation (version 11)

Question 1

Curve $y = f(x)$ contains points $(4, 6)$ and $(16, 18)$ and $(20, 12)$, as shown on the x-y plane below.

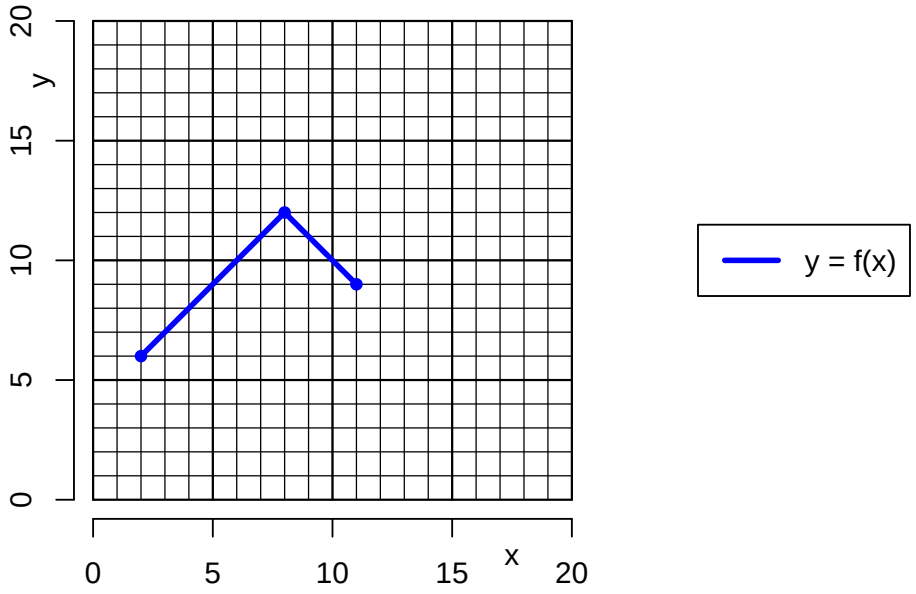


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[2x + 4]}{3} - 2$$

Question 2

Curve $y = f(x)$ contains points $(2, 6)$ and $(8, 12)$ and $(11, 9)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

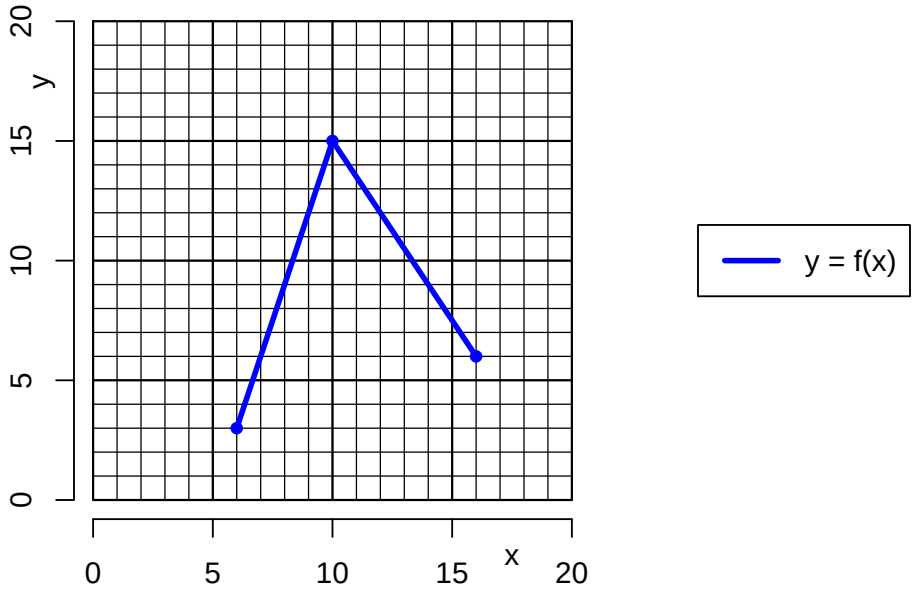
$$y = \frac{f\left[\frac{x+4}{2}\right]}{3} - 1$$

Name: Date:

PCW_09_18 Find new points after transformation (version 12)

Question 1

Curve $y = f(x)$ contains points $(6, 3)$ and $(10, 15)$ and $(16, 6)$, as shown on the x-y plane below.

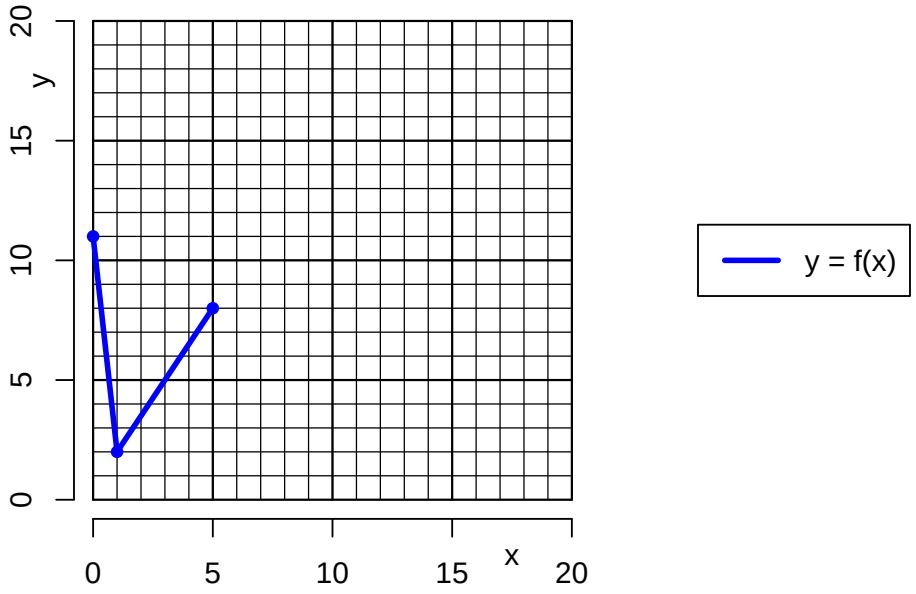


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[2x + 4]}{3} - 1$$

Question 2

Curve $y = f(x)$ contains points $(0, 11)$ and $(1, 2)$ and $(5, 8)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

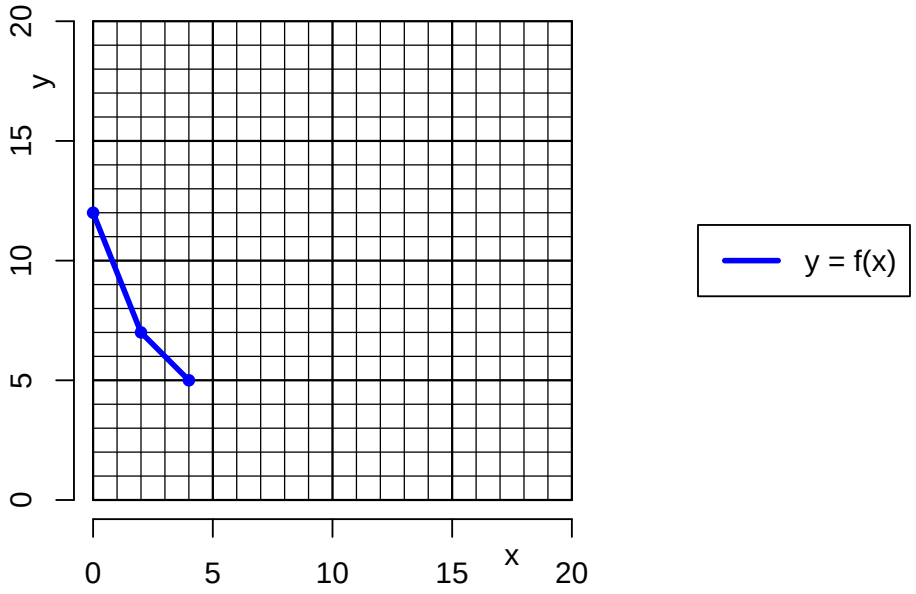
$$y = 2\left(f\left[\frac{x}{3} - 1\right] - 2\right)$$

Name: Date:

PCW_09_18 Find new points after transformation (version 13)

Question 1

Curve $y = f(x)$ contains points $(0, 12)$ and $(2, 7)$ and $(4, 5)$, as shown on the x-y plane below.

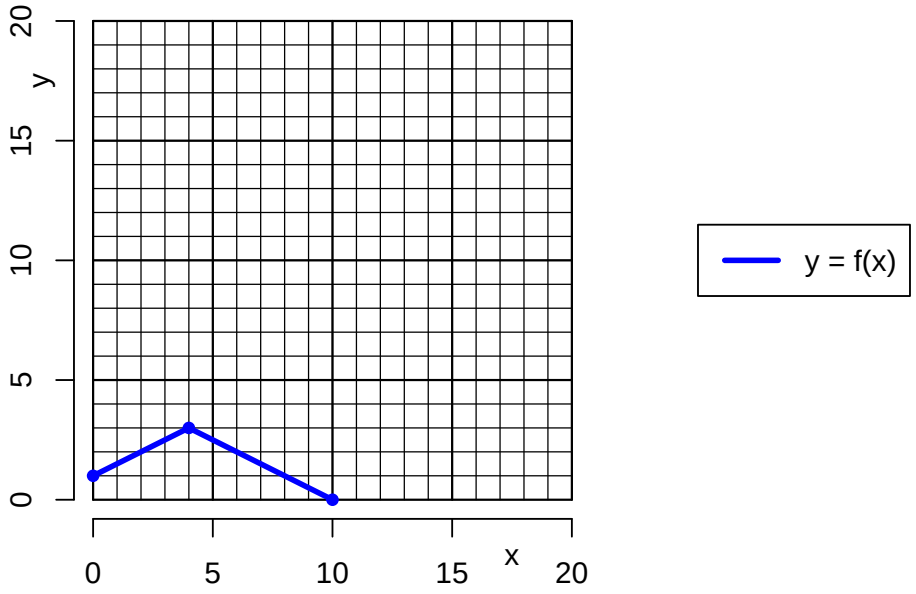


On the same plane, please draw the curve represented by the equation below:

$$y = 2\left(f\left[\frac{x}{3} - 2\right] - 5\right)$$

Question 2

Curve $y = f(x)$ contains points $(0, 1)$ and $(4, 3)$ and $(10, 0)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

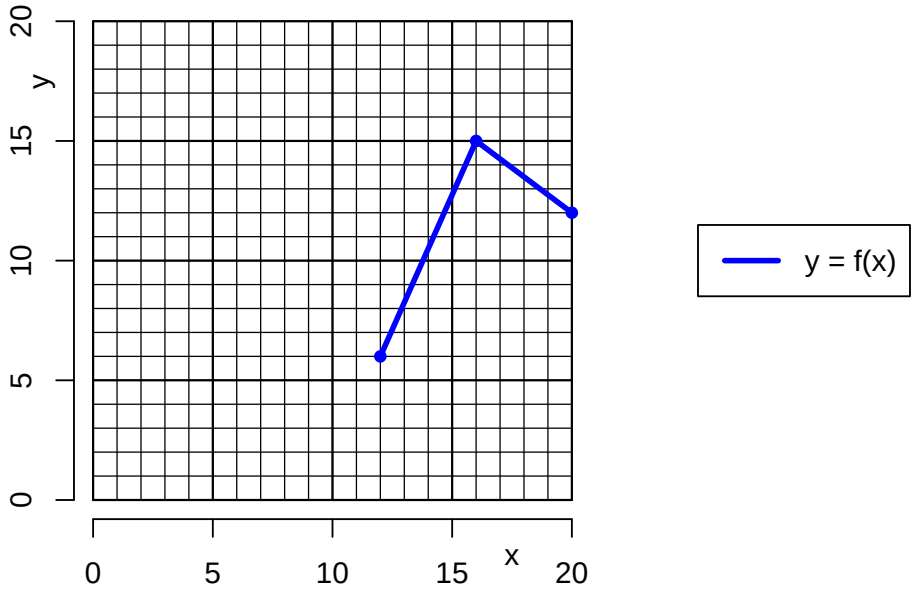
$$y = 3\,(f[2x - 2] + 3)$$

Name: Date:

PCW_09_18 Find new points after transformation (version 14)

Question 1

Curve $y = f(x)$ contains points $(12, 6)$ and $(16, 15)$ and $(20, 12)$, as shown on the x-y plane below.

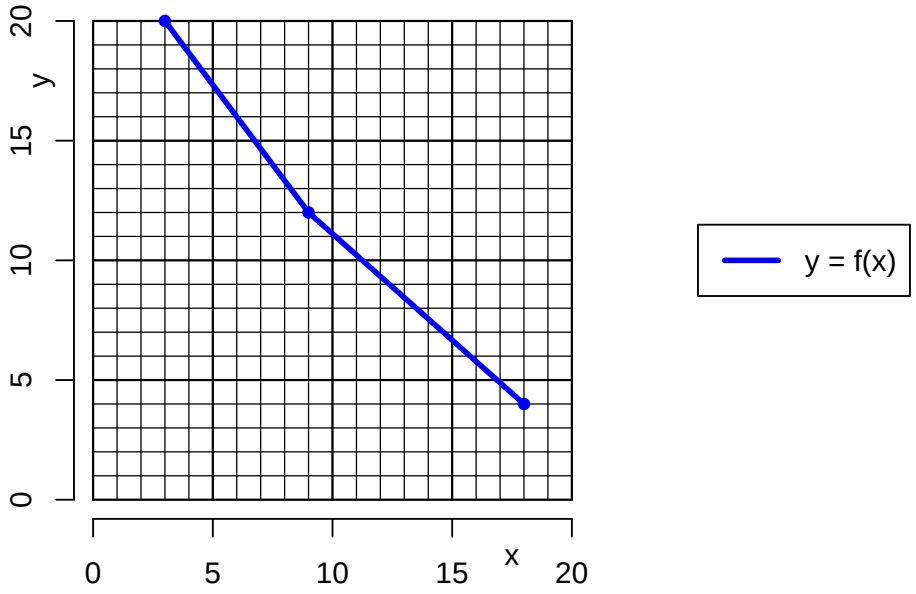


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[2\,(x+5)]}{3} - 2$$

Question 2

Curve $y = f(x)$ contains points $(3, 20)$ and $(9, 12)$ and $(18, 4)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

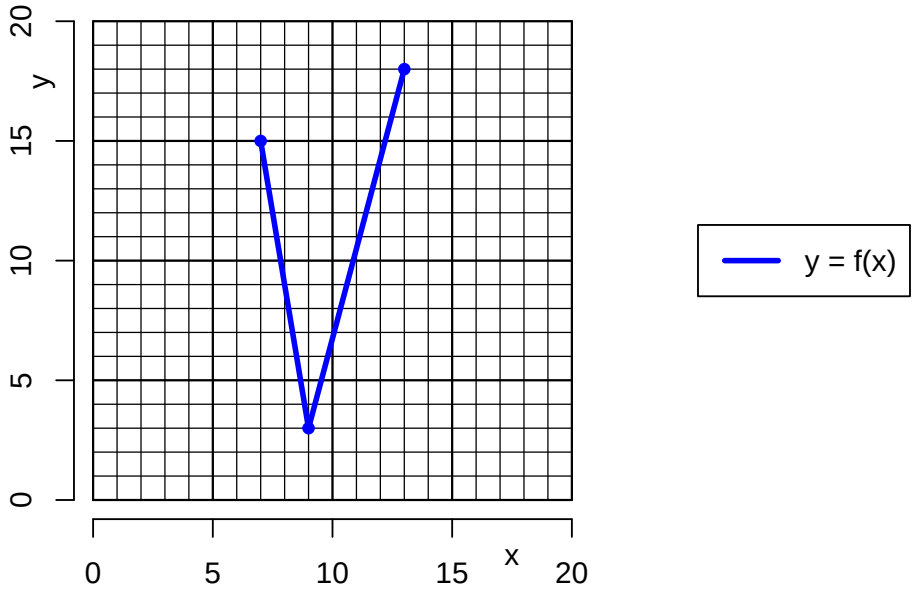
$$y = \frac{f[3\,(x-1)] - 4}{2}$$

Name: Date:

PCW_09_18 Find new points after transformation (version 15)

Question 1

Curve $y = f(x)$ contains points $(7, 15)$ and $(9, 3)$ and $(13, 18)$, as shown on the x-y plane below.

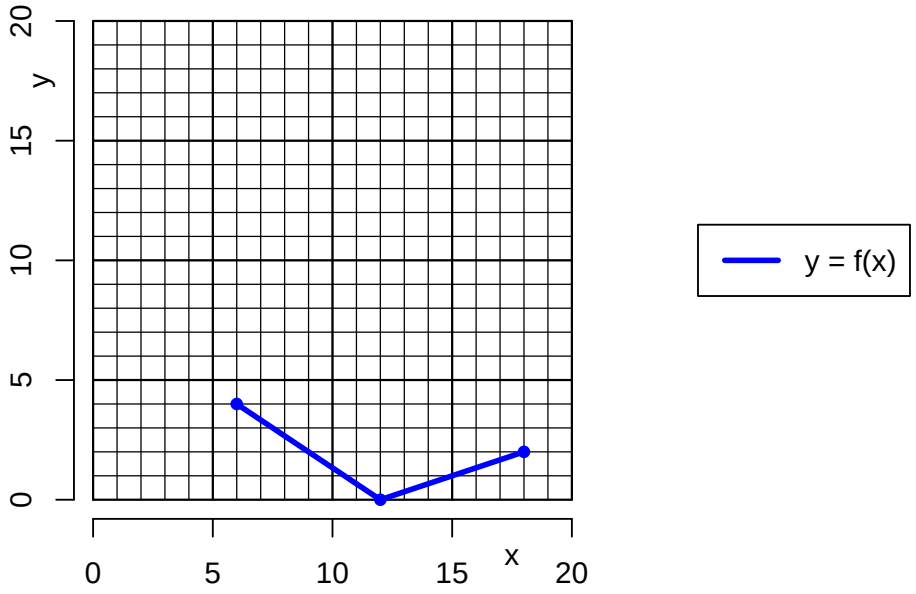


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x+6}{2}\right] - 3}{3}$$

Question 2

Curve $y = f(x)$ contains points $(6, 4)$ and $(12, 0)$ and $(18, 2)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

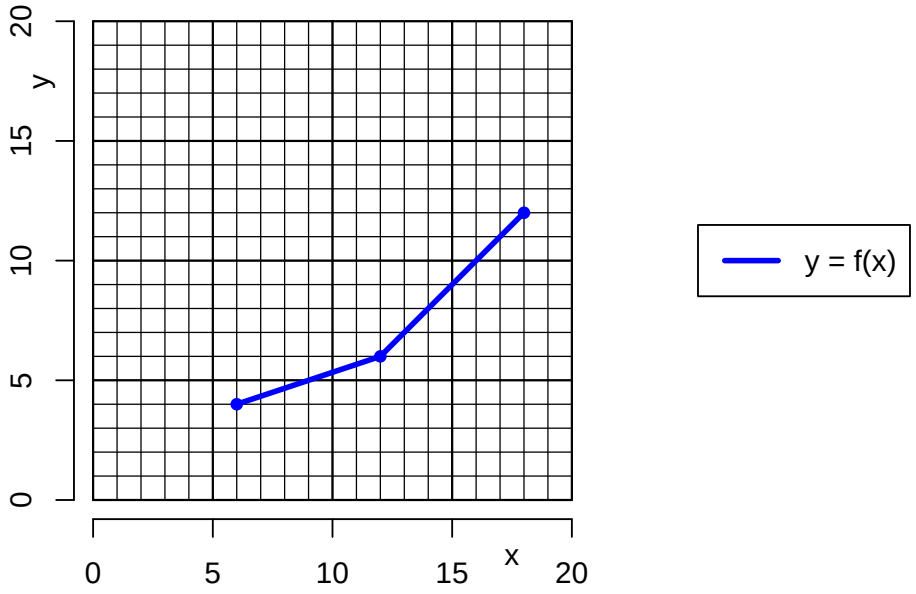
$$y = 2f[3x - 3] + 4$$

Name: Date:

PCW_09_18 Find new points after transformation (version 16)

Question 1

Curve $y = f(x)$ contains points $(6, 4)$ and $(12, 6)$ and $(18, 12)$, as shown on the x-y plane below.

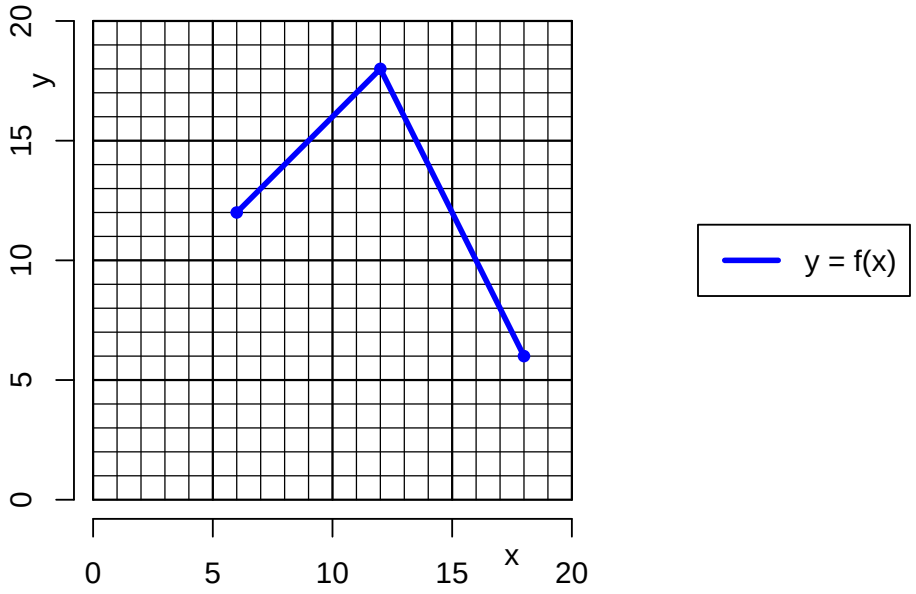


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[3\,(x+1)] - 4}{2}$$

Question 2

Curve $y = f(x)$ contains points $(6, 12)$ and $(12, 18)$ and $(18, 6)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

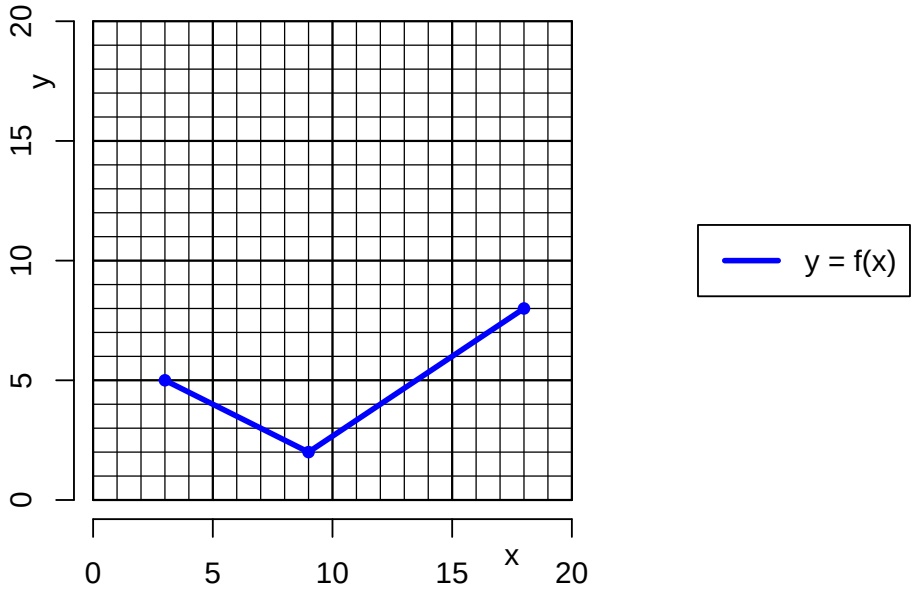
$$y = \frac{f[3x - 3] - 6}{2}$$

Name: Date:

PCW_09_18 Find new points after transformation (version 17)

Question 1

Curve $y = f(x)$ contains points $(3, 5)$ and $(9, 2)$ and $(18, 8)$, as shown on the x-y plane below.

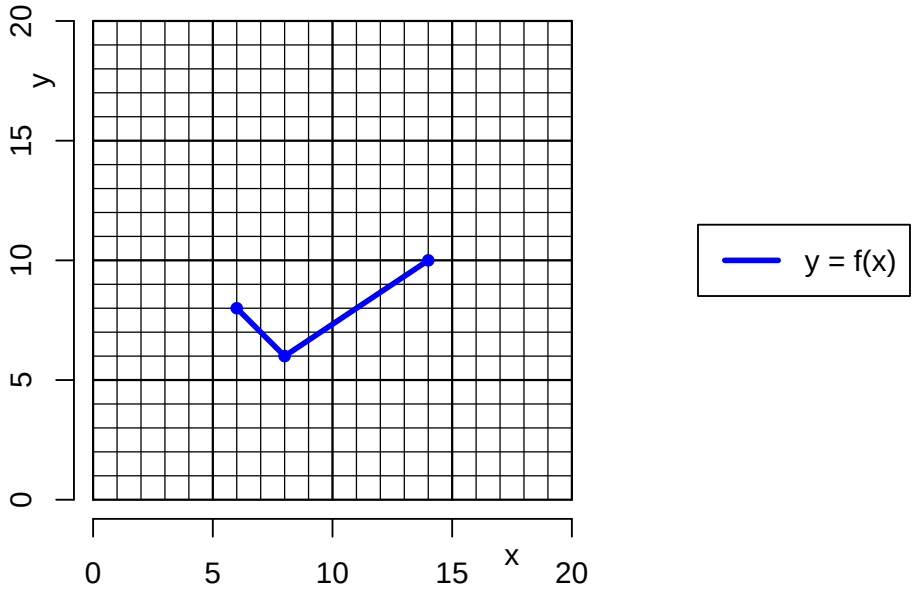


On the same plane, please draw the curve represented by the equation below:

$$y = 2\,(f[3x + 3] + 1)$$

Question 2

Curve $y = f(x)$ contains points $(6, 8)$ and $(8, 6)$ and $(14, 10)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

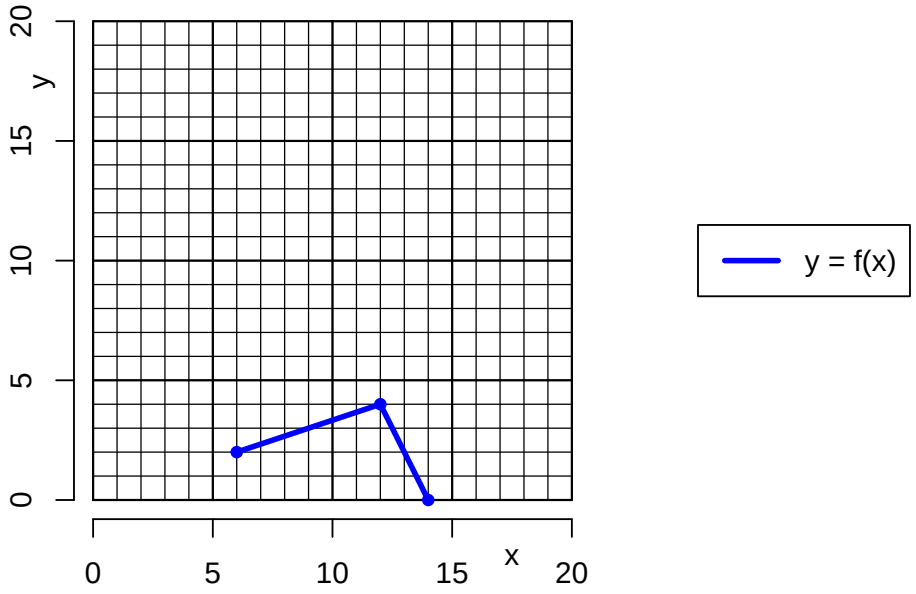
$$y = 3\left(f\left[2\left(x + 2\right)\right] - 6\right)$$

Name: Date:

PCW_09_18 Find new points after transformation (version 18)

Question 1

Curve $y = f(x)$ contains points $(6, 2)$ and $(12, 4)$ and $(14, 0)$, as shown on the x-y plane below.

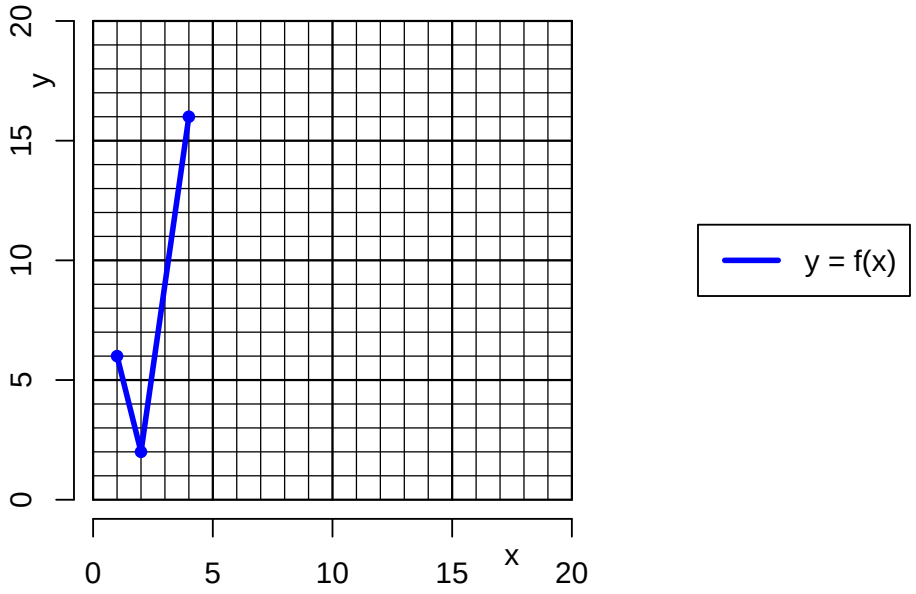


On the same plane, please draw the curve represented by the equation below:

$$y = 3\,(f[2x + 6] + 1)$$

Question 2

Curve $y = f(x)$ contains points $(1, 6)$ and $(2, 2)$ and $(4, 16)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

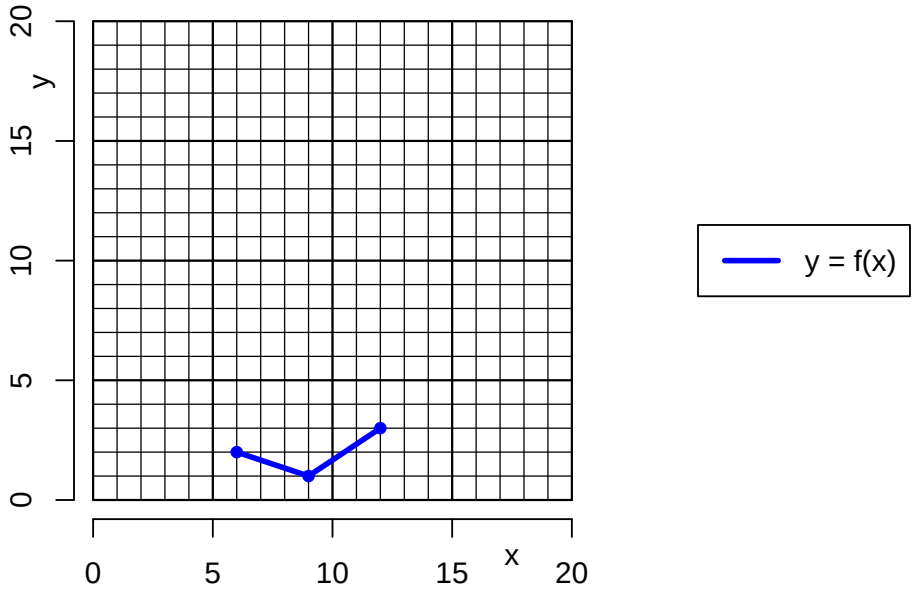
$$y = \frac{f\left[\frac{x-3}{3}\right]}{2} - 1$$

Name: Date:

PCW_09_18 Find new points after transformation (version 19)

Question 1

Curve $y = f(x)$ contains points $(6, 2)$ and $(9, 1)$ and $(12, 3)$, as shown on the x-y plane below.

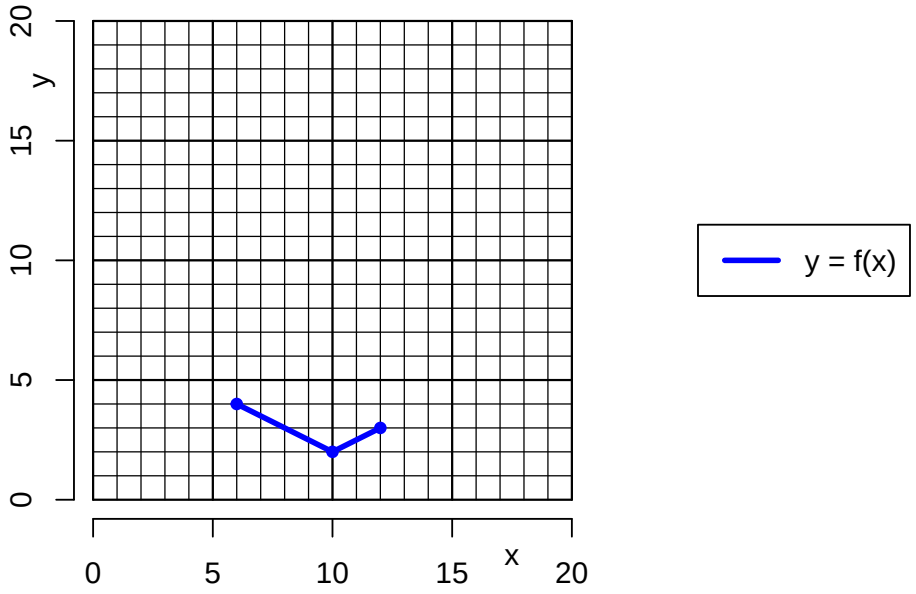


On the same plane, please draw the curve represented by the equation below:

$$y = 3f\left[\frac{x+6}{2}\right] + 3$$

Question 2

Curve $y = f(x)$ contains points $(6, 4)$ and $(10, 2)$ and $(12, 3)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

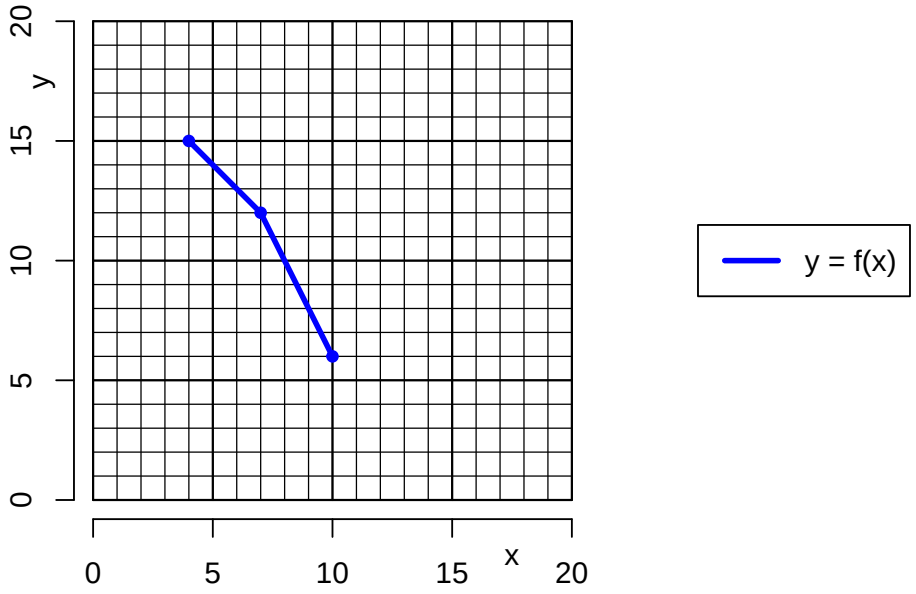
$$y = 3\left(f\left[\frac{x+4}{2}\right]+1\right)$$

Name: Date:

PCW_09_18 Find new points after transformation (version 20)

Question 1

Curve $y = f(x)$ contains points $(4, 15)$ and $(7, 12)$ and $(10, 6)$, as shown on the x-y plane below.

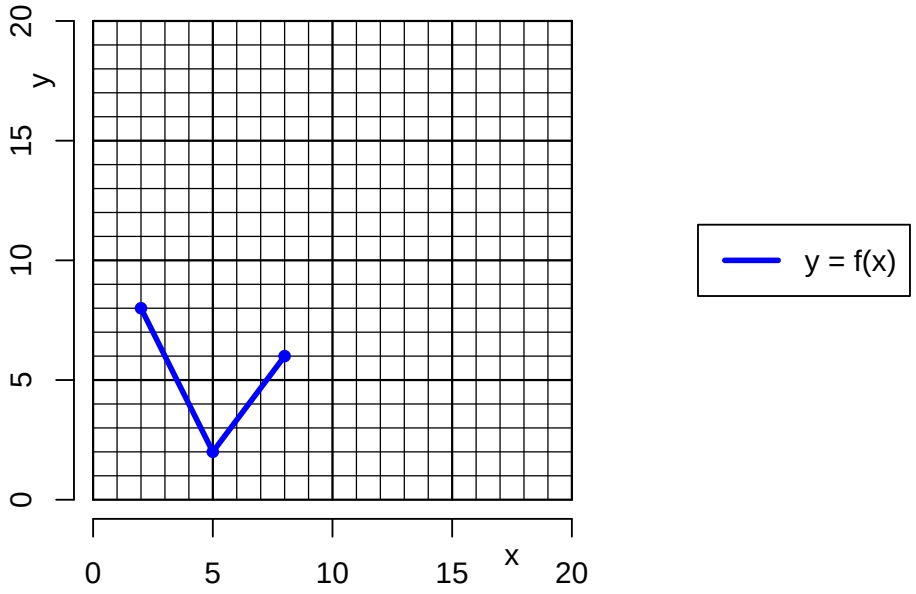


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x}{2} + 1\right] - 6}{3}$$

Question 2

Curve $y = f(x)$ contains points $(2, 8)$ and $(5, 2)$ and $(8, 6)$, as shown on the x-y plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = 3f\left[\frac{x-2}{2}\right] - 6$$